

Make sure they are properly placed before beginning work.

5. Remove the wheel nuts and remove the rear wheel.

6. Clean the wheel nuts in solvent and dry them thoroughly.

7. Inspect the wheel for cracks, bending or other damage. If necessary, replace the wheel as described in *Tires and Wheels* in Chapter Ten.

8. Install the wheel onto its original side.

9. Install the wheel nuts with their curved end (**Figure 4**) facing toward the wheel. Tighten the nuts finger-tight to center the wheel squarely against the brake drum or hub.

10. Tighten the wheel nuts (**Figure 3**) to 64 N•m (47 ft.-lb.).

11. After the wheel is installed completely, rotate it and then apply the rear brake several times to make sure the wheel rotates freely and the brake is operating correctly.

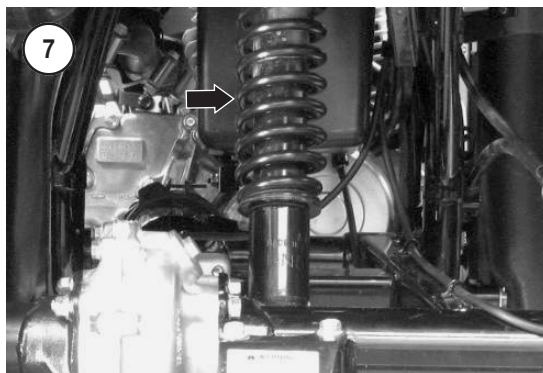
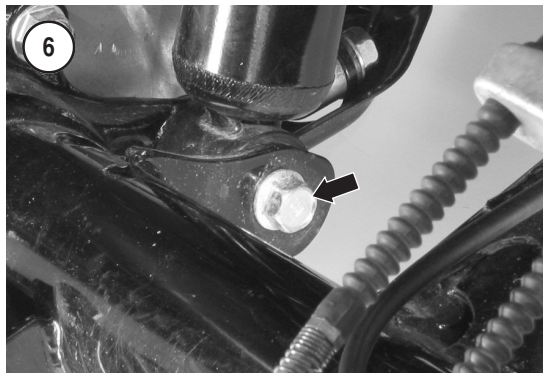
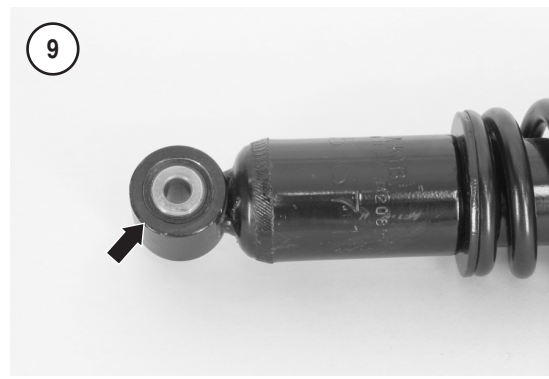
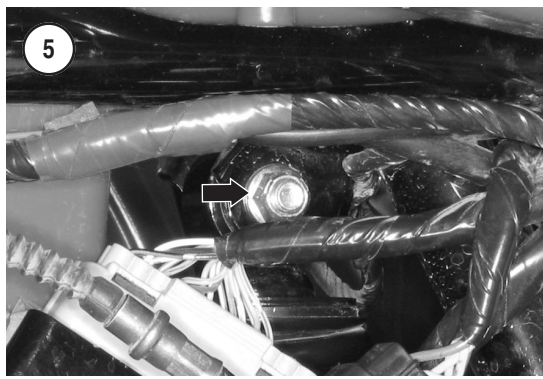
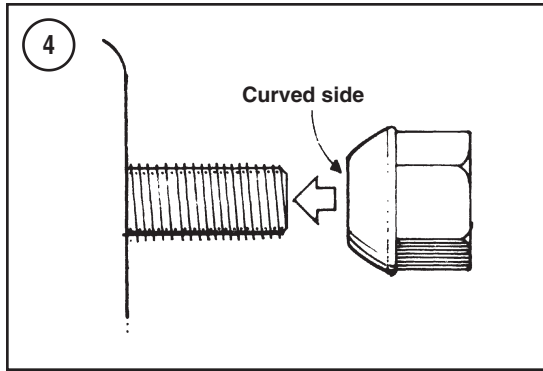
12. Jack up the rear of the vehicle and remove the safety stands or wooden blocks.

13. Lower the ATV so both rear wheels are on the ground and remove the jack.

SHOCK ABSORBER

Removal/Installation

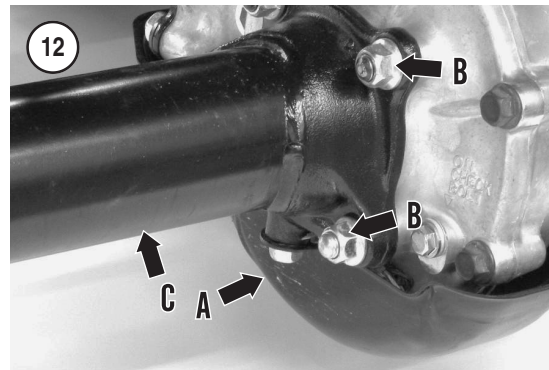
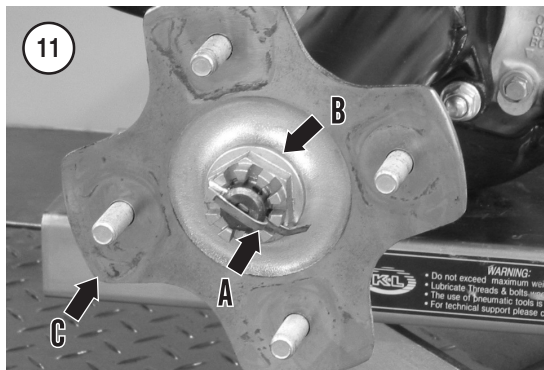
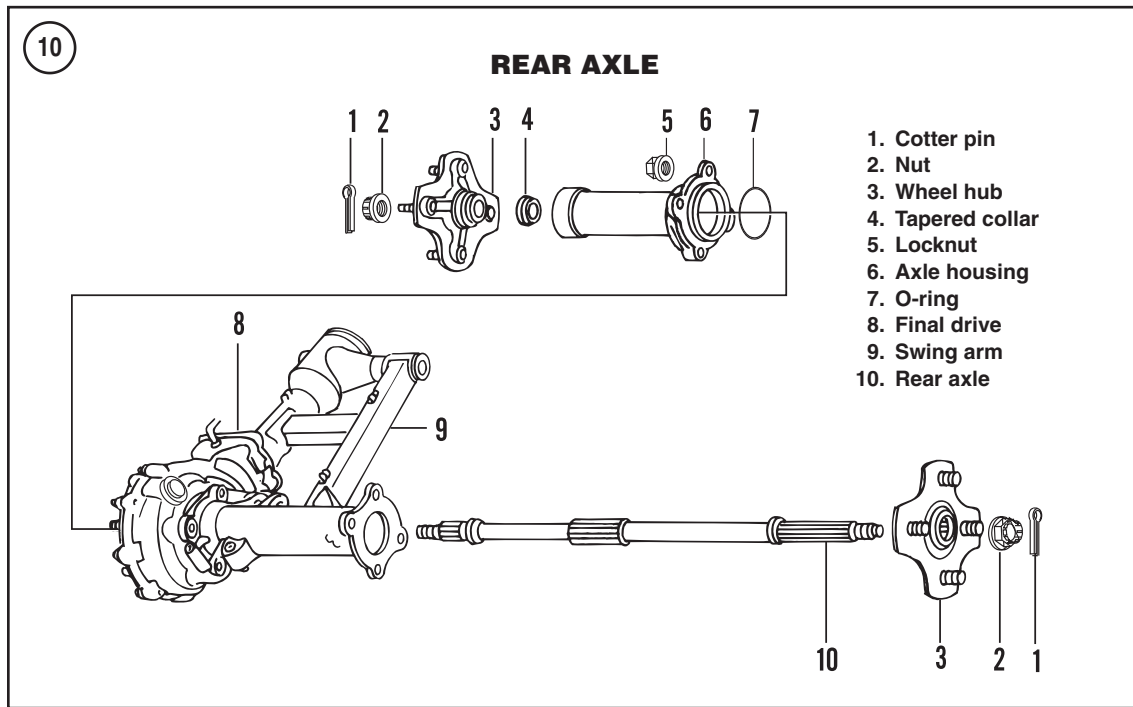
1. Support the rear of the ATV so the rear wheels are off the ground.



2. Place a support under the final drive to support the rear axle assembly.
3. Remove the shock absorber upper mounting locknut (**Figure 5**). Discard the locknut.
4. Remove the shock absorber lower mounting bolt (**Figure 6**).
5. Remove the shock absorber (**Figure 7**).
6. Inspect the shock absorber as described in this chapter.
7. Install the shock absorber by reversing the removal steps, while noting the following:
 - a. Install a new locknut on the upper mounting bolt.
 - b. Tighten the upper and lower shock absorber bolts to 44 N•m (33 ft.-lb.).

Inspection

1. Clean and dry the shock absorber (**Figure 8**).
2. Check the damper unit for leaks or other damage. Inspect the damper rod for bending.
3. Inspect the upper and lower rubber bushings (**Figure 9**). Replace a severely worn or damaged lower bushing. The upper bushing is not replaceable.



4. Inspect the spring for damage.
5. If the damper unit or spring is damaged, replace the entire shock absorber unit. Other than the lower end bushing and seals, individual components are not available.

REAR AXLE

Refer to **Figure 10**.

Removal

1. Remove both rear wheels as described in this chapter.
2. Remove the left rear axle nut cotter pin (A, **Figure 11**) and discard it.
3. Remove the left rear axle nut (B, **Figure 11**) and rear hub (C).
4. Remove the skid plate (A, **Figure 12**).
5. Remove the locknuts (B, **Figure 12**) and the left rear axle housing (C). Discard the locknuts.
6. Remove the tapered collar (**Figure 13**).
7. Remove the rear brake panel assembly (Chapter Thirteen).
8. Remove the axle (**Figure 14**) from the right side. If necessary, drive out the axle with a rubber hammer.

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